

ABSTRACT

5 The present invention is directed to absorbent composites comprising
superabsorbent materials. The superabsorbent material has: an Absorption Time of
about $5+10 a^2$ minutes or greater, where a is the mean particle size of the superabsorbent
material in millimeters; a capacity of about 15 g/g or greater; a Drop Penetration Value of
about 2 seconds or less; and, a $\frac{1}{2}$ Float Saturation of 50% or less. The present invention
10 is further directed to fiber-containing fabrics and webs comprising superabsorbent
materials and their applicability in disposable personal care products.